

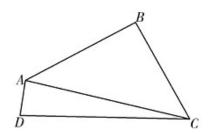
$$\mathbf{A} \square V_1 = \frac{1}{2} V_2$$

$$\mathbf{A} \square \ V_1 = \frac{1}{2} \ V_2 \qquad \qquad \mathbf{B} \square \ V_1 = \frac{2}{3} \ V_2 \qquad \qquad \mathbf{C} \square \ V_1 = 2 V_2 \qquad \qquad \mathbf{D} \square \ V_1 = V_2$$

$$C \square V_1 = 2V_2$$

$$\mathbf{D} \square \ V_1 = V_2$$

$$AC = \left(\frac{1}{x} - 3\right)AB + \left(1 - \frac{1}{y}\right)AD \underbrace{\frac{3}{x} + \frac{1}{y}}_{0000} = 0$$



A∏10

 $B \square 9$ 

$$C: \frac{X^2}{\vec{a}} - \frac{y^2}{\vec{b}} = 1 (a > 0, b > 0) \mod C \mod C \mod C \mod C$$

 $A \square 3$ 

 $B \square \sqrt{6}$ 

 $C \square \sqrt{3}$   $D \square \frac{\sqrt{6}}{2}$ 

$$\mathbf{A} \left[ \frac{1}{e'}, +\infty \right]$$

 $\mathbf{A} \begin{bmatrix} \frac{1}{e'}, +\infty \end{bmatrix} \qquad \mathbf{B} \begin{bmatrix} \frac{2}{e'}, +\infty \end{bmatrix} \qquad \mathbf{C} \begin{bmatrix} \frac{e}{2'}, +\infty \end{bmatrix} \qquad \mathbf{D} \begin{bmatrix} e + \infty \end{bmatrix}$ 



$$\mathbf{A} \square \frac{\pi}{6}$$

B<sub>□</sub> 
$$\frac{4\sqrt{3}\tau}{27}$$

$$C \square \frac{4\tau}{3}$$

$$\mathbf{D} = \frac{4\sqrt{3}\tau}{3}$$

$$(x+1)^2 + (y+1)^2 = 4_{0000000} |AB| = 2\sqrt{3}_{00} |PA+PB|_{000000}$$

$$\mathbf{A} \Box ^{4\sqrt{2}}$$

$$\mathbf{B}_{\square}^{4\sqrt{2}-2}$$

$$c_{\square}^{2\sqrt{2}-1}$$

$$\square$$
  $P$ -  $ABC$ 

$$\mathbf{B} \sqcap \frac{2\sqrt{3}}{3}$$

$$D \sqcap \frac{4\sqrt{3}}{9}$$

$$B[\cdot e]1-e$$
  $C[\cdot 1]2$ 

$$\mathbf{A} \cap \begin{bmatrix} \frac{3}{2}, 2 \end{bmatrix}$$

$$\mathbf{B} = \begin{bmatrix} 1, \frac{3}{2} \end{bmatrix}$$

$$\mathbf{A}_{\square} \begin{bmatrix} \frac{3}{2}, 2 \end{bmatrix} \qquad \qquad \mathbf{B}_{\square} \begin{bmatrix} 1, \frac{3}{2} \end{bmatrix} \qquad \qquad \mathbf{C}_{\square} \begin{bmatrix} \frac{3}{2}, \frac{5}{2} \end{bmatrix} \qquad \qquad \mathbf{D}_{\square} \begin{bmatrix} 0, \frac{3}{2} \end{bmatrix}$$

$$\mathbf{D} \left[ 0, \frac{3}{2} \right]$$

 $A \square 0$ 

B<sub>□</sub>1



 $k_{\Pi\Pi\Pi\Pi\Pi\Pi\Pi}($ 

$$\mathbf{A} = \begin{bmatrix} -\frac{3}{4}, -\frac{1}{4} \end{bmatrix}$$

$$\mathbf{B} \begin{bmatrix} -\frac{3}{4}, -\frac{1}{4} \end{bmatrix}$$

$$C = \left(-\frac{4}{3}, -\frac{1}{4}\right)$$

$$\mathbf{A} \begin{bmatrix} -\frac{3}{4}, -\frac{1}{4} \end{bmatrix} \qquad \mathbf{B} \begin{bmatrix} -\frac{3}{4}, -\frac{1}{4} \end{bmatrix} \qquad \mathbf{C} \begin{bmatrix} -\frac{4}{3}, -\frac{1}{4} \end{bmatrix} \qquad \mathbf{D} \begin{bmatrix} -\frac{4}{3}, -\frac{1}{4} \end{bmatrix}$$

$$\mathbf{A} \sqsubseteq f(a) < f(b) < f(c)$$

$$\mathbf{B} | f(b) < f(c) < f(a)$$

$$C \square f(a) < f(c) < f(b)$$

$$\mathbf{D} {\color{red} \square} \ f(c) < \ f(b) < \ f(a)$$

 $m^2$ .



$$A_{\Box} 16\sqrt{2} + 16 - \frac{\pi}{2}$$

$$\mathbf{B} \square 16\sqrt{2} - \frac{\pi}{2}$$

$$C \Box 16\sqrt{2} + 8 - \frac{\pi}{2}$$

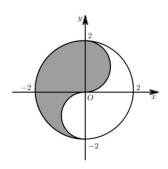
 $m \neq 0$  and 3 = 0 and  $e^{N_1} - 2X_2 + X_3 = 0$  and 0 = 0

$$A\Box^{(1,+\infty)}$$
  $B\Box^{[1,+\infty)}$   $C\Box^{(2,+\infty)}$   $D\Box^{[2,+\infty)}$ 

$$C\Pi^{(2,+\infty)}$$

$$D\Box^{[2,+\infty)}$$





A[]12

 $B \square \mathfrak{J}$ 

C[23

D[123

A

 $B \square \square$ 

 $C \square \square \square$ 

DUUUL

**A**∏8

B∏9

C[]11

D∏12

 $A \square e$ 

 $B \square 2e$ 

 $C \square 4e$ 

 $D \square 6e$ 

 $= {\overset{C_1}{\circ}} = {\overset{C_2}{\circ}} = {\overset{C_2}{\circ}}$ 



$$\mathbf{A}_{\square}|F_1F_2| = 2|\mathbf{M}Q_{\square\square}|\frac{1}{\mathbf{q}^2} + \frac{1}{\mathbf{q}^2} = \sqrt{2}$$

$$\mathbf{B}_{\square}|F_1F_2| = 2|MO_{\square\square}\frac{1}{\vec{e_1}} + \frac{1}{\vec{e_2}} = 2$$

$$_{\mathbf{C}_{\square}}|F_{1}F_{2}|=4|MF_{2}|_{\square\square}e_{2}|_{\square\square\square\square\square}\left(\frac{2}{3},\frac{3}{2}\right)$$

$$\mathbf{D}_{\square}|F_1F_2| = 4|MF_2|_{\square\square} e_1e_2|_{\square\square\square\square\square\square} \left(\frac{2}{3},2\right)$$

$$\ \, \square^{QPQ_2} \square \square \square^{Q_2PQ_3} \square \dots \square \square \square^{Q_{k-1}PQ_k} \square \square \square^{Q_kPQ_1} \square \square \square \square^{M} \square \square \square^{P} \square \square \square \square \square \square^{ABCD^{-}} \square^{AR} \square^{Q} \square \square \square \square^{ABCD^{-}} \square^{Q_2PQ_3} \square \square \square \square^{Q_2PQ_3} \square \square^{Q_2PQ_4} \square^{Q_2PQ_4} \square \square^{Q_2PQ_4} \square$$

$$\mathsf{Boo}_{AC=BD}\mathsf{Doddood}_{ABCD}\text{-}_{ABCD}\mathsf{Dodd}_{\mathsf{A}}\mathsf{Doddood}\frac{1}{4}$$

$$C_{00}_{AB=BD}$$

DDDDDD 
$$AABD$$
DD  $ADDDDDDD$   $ABD$ 

$$\begin{bmatrix} 0.5\pi \end{bmatrix}_{000300000}$$

AD 
$$f(x) = \frac{2\tau}{3}$$





$$\mathbf{B} \cup \varphi \cup (0, \frac{\pi}{3}] \cup \left\{ \frac{5\pi}{12} \right\}$$

$$_{\mathbf{C}_{\square}}f(x)_{\square}\left[-\frac{5\pi}{3},\frac{\pi}{3}\right]_{\square\square\square\square\square\square\square\square\square}$$

$$\mathbf{D} = \varphi_{1} = \mathbf{D} = \begin{bmatrix} 0, \frac{\pi}{6} \end{bmatrix} \cup \begin{bmatrix} \frac{\pi}{3}, \frac{\pi}{2} \end{bmatrix}$$

$$\mathbf{A}_{\square\square}|PQ| = |PF_2|_{\square\square\square\square\square\square\square\square\square} e \ge 2$$

$$\mathbf{B}_{00} \overset{\mathsf{V}POF_2}{\longrightarrow} 0000 \overset{\sqrt{3}}{\longrightarrow} 0000000 \overset{\mathcal{B}}{\longrightarrow} = 2\sqrt{3}$$

$$C_{00}^{A_{2}} = C_{000}^{A_{2}} = |F_{2}P|^{A_{2}} = |F_{2}P|^{A_{2}}$$

$$f(x) \ge f(x_0)$$

$$\mathbf{A}_{\square\square\square} \overset{X \in \mathcal{R}}{\longrightarrow} f(x + x_0) = f(x - x_0)$$

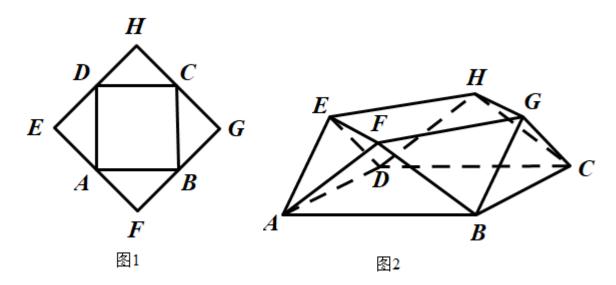
$$\mathbf{B} = \mathbf{X} \in R, \ f(\mathbf{x}) \le f\left(\mathbf{X}_0 + \frac{\pi}{2}\right)$$

$$\mathbf{Cood} \, \theta > 0_{\mathbf{Cood}} \, g(\mathbf{X})_{\mathbf{C}} \left( X_0, X_0 + \theta \right)_{\mathbf{Cood}} \mathbf{2} \, \mathbf{cood}$$

$$\mathbf{D}_{0000}\theta > -\frac{5\pi}{12000}g(x)_{0}\left[x_{0} - \frac{5\pi}{12}, x_{0} + \theta\right]_{00000}$$



 $DA_{\square} \triangle ABF_{\square} \triangle BCG_{\square} \triangle CDH_{\square} \triangle DAE_{\square} ABCD_{\square\square\square\square\square\square\square\square} EFGH_{\square\square\square\square\square\square\square} 2$ 

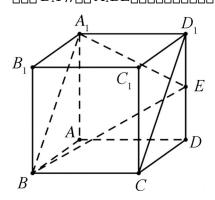


 $\textbf{A} \square \square \square \textit{AEF} \bot \square \square \textit{CGH}$ 

 $B_{000}AF_{000}CG_{00000}60^{\circ}$ 

C\_\_\_\_ ABCD-  $EFGH_{\Box\Box\Box\Box}$   $\frac{6+2\sqrt{2}}{3}$ 

$$\mathsf{Dood}^{\mathit{CG}} \mathsf{ood}^{\mathit{AEF}} \mathsf{oodoooo}^{\sqrt{2}}$$



ADD  $F_{000000}^{\sqrt{2}}$ 



 $\mathsf{Bood}^{B_!F}_{\mathsf{IIII}} BC \mathsf{IIIIII} 45^\circ$ 

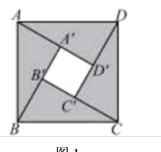
 $C_{000}A_1BE_{000}CDD_1C_1$ 

$$f(x) = \sin|x| + |\sin x|_{\square\square\square} \quad g(x) = [f(x)]_{\square\square\square}$$



$$C_{000} g(x) = C_{000} X = \frac{\pi}{2} = C_{000}$$

$$\mathbf{D} = \frac{\pi}{2} \cdot g(\mathbf{x}) = \mathbf{X} = \mathbf{D} = \mathbf{D}$$



B

图 1

图 2

$$B \square \square BB = 3 \square \sin \angle ABB = \frac{5\sqrt{3}}{14} \square \square AB = 2$$



$$\mathbf{C}_{\square\square} AB = 2AB \square_{\square\square} AB = \sqrt{5}BB$$

Dog  $A \cap AB$  dog dog ABC dog dog ABC dog ABC

**A**∏-6

**B**[]-5

C[] - 4

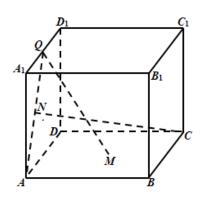
D∏-3

ADDD cDdDDDD f(x)

 $C_{00} X_{0} X_{2} C_{00} f(x) C_{00} X_{1}^{4} + X_{2}^{4} > \frac{1}{8}$ 

$$\mathbf{A} \square \square \mathbf{N} \square DD \square \square \square AM + M \square \square \square \frac{CM}{CC_1} = 1 - \frac{\sqrt{2}}{2}$$





 $\mathbf{A} \square \ C \mathcal{N} \square \ ^{QM} \square \square$ 

B0000 A- DM $V_0000 \lambda$  00000

$$\mathbf{C}_{\mathbf{C}}^{\lambda} = \frac{1}{3} \mathbf{Q}_{\mathbf{C}} \mathbf{M}_{\mathbf{C}} \mathbf{$$

$$\mathbf{D} \square \lambda = \frac{1}{4} \square \square AM \bot QM$$

ADD P DDDDDDD  $3\sqrt{2}$ 

 $\operatorname{Bod} P \operatorname{oddood}^{6\sqrt{2}}$ 

 $\mathsf{Coood}_{\mathit{P-BCQ}}\mathsf{Doodoood}\frac{4}{3}$ 

D0000 P- BCQ00000000  $\frac{2}{3}$ 

 $f(x) = 2\sin x + \sin 2x$ 

$$\mathbf{A} \hspace{-0.05cm} \begin{array}{c} f(x) \hspace{-0.05cm} \boxed{(0,2\pi)} \\ \boxed{0} \hspace{-0.05cm} \boxed{0} \hspace{-0.05cm} \boxed{5} \hspace{-0.05cm} \boxed{0} \end{array}$$

 $B \square \stackrel{f(x)}{\square} \square \square \square \square \square 3$ 

$$C_{\square}^{(2\tau,0)}$$



$$\mathbf{D} = \mathbf{X} \in \left[0, \frac{\pi}{2}\right] = f(\mathbf{X}) = 0$$

$$\mathbf{34002021 \cdot 00 \cdot 000000000} \ f(\mathbf{x}) = \begin{cases} \mathbf{e}^{\mathbf{x}}, \, \mathbf{x} \ge 0 \\ - \, \mathbf{x}^2 - \, 4\mathbf{x}, \, \mathbf{x} < \, 0 \, \text{cm} \quad f^2(\mathbf{x}) - \, t \cdot f(\mathbf{x}) = 0 \, \text{cm} \, \mathbf{x}_1, \, \mathbf{x}_2, \, \mathbf{x}_3, \, \mathbf{x}_4 \, \text{cm} \, \mathbf{x}_2 \\ - \, \mathbf{x}^2 - \, 4\mathbf{x}, \, \mathbf{x} < \, 0 \, \text{cm} \, \mathbf{x}_3 + \, \mathbf{x}_4 \, \mathbf{x}_3 + \, \mathbf{x}_4 \, \mathbf{x}_4 \, \mathbf{x}_4 \\ - \, \mathbf{x}^2 - \, 4\mathbf{x}, \, \mathbf{x} < \, 0 \, \mathbf{x}_3 + \, \mathbf{x}_4 \,$$

$$X_1 < X_2 < X_3 < X_4$$

$$\mathbf{A}_{\square} X_1 X_4 \in (-6\ln 2, 0]$$

$$B_{\square}^{X_1 + X_2 + X_3 + X_4} = 000000^{[-8, -8 + 2\ln 2)}$$

$$\mathsf{C}_{\square}t_{\square\square\square\square\square}^{}^{}^{}[1,4)$$

$$\operatorname{D}_{\square}^{X_{2}X_{3}}$$

$$\mathbf{A} = \mathbf{x}_{2} \ln \mathbf{x}_{2} = \mathbf{x}_{2} \ln \mathbf{x}_{3}$$

$$\mathbf{B}_{\square}^{X_1} + X_2 < \mathbf{e}^2$$

$$C \square X_1 X_2 > e^2$$

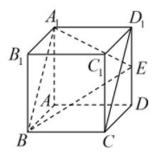
$$\frac{1}{\ln x_1} + \frac{1}{\ln x_2} > 2$$

$$\mathbf{A} \square \stackrel{AP/\!/}{\square} \square \square^{AD_1C}$$

$$C_{\square} \stackrel{AP+PC_{\square \square \square \square}}{=} \frac{\sqrt{170}}{5}$$

Doo A and 
$$\sqrt{2}$$
 and and and  $DCC_1P_1$  and and  $\frac{\pi}{2}$ 





 $\mathbf{Boo}_{D}\mathbf{Doo}_{A}\mathbf{BE}\mathbf{Dood}_{G}\mathbf{Do}_{A}\mathbf{BE}\mathbf{Dood}_{G}\mathbf{Do}_{A}\mathbf{BE}\mathbf{Dood}_{G}\mathbf{Do}_{A}\mathbf{BE}\mathbf{Dood}_{G}\mathbf{Do}_{A}\mathbf{BE}\mathbf{Dood}_{G}\mathbf{Doo$ 

$$\mathsf{Cood}^{\,F} \mathsf{oo}^{\,RFI/} \mathsf{oo}^{\,ABE} \mathsf{oooo}^{\,F} \mathsf{oooooo}^{\,2\sqrt{5}}$$

Dood 
$$_F$$
oo  $_{\rm A}$  oo oo  $\frac{2\sqrt{21}}{3}$  oo oo  $_F$ oo oo oo  $2\sqrt{3}$   $_{\rm TI}$ 

$$\mathbf{A}_{000} = \sqrt{b_{000}} f(x_0) < \frac{1}{2e}$$

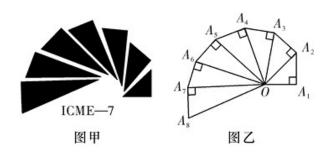
$$\mathbf{B}_{\square\square\square} X_0 = \sqrt{b}_{\square\square\square} f(X_0) > - e^2$$

 $C \square b \square \square \square \square \square e^3$ 

 $D \square b \square \square \square \square \square 2e^2$ 





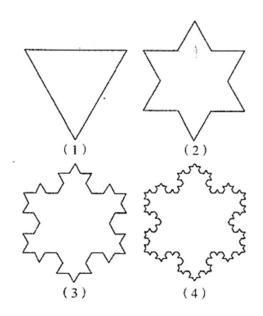


 $^{2,3}$ 

 $a_n = 2 + X_1 + X_2 + \dots + X_k + 3$   $a_3 =$   $a_n = 0$   $a_n = 0$   $a_n = 0$   $a_n = 0$   $a_n = 0$ 

 $41002021 \cdot 000000000 \left\{ a_n \right\}_{00} a_1 = 1, \ a_2 = 3 \\ 00 = 3 \\ 00 = 3 \\ 00 = 2 \\ 00 = 3 \\ 00 = 4 \\ 00 = 3 \\ 00 = 4 \\ 00 = 3 \\ 00 = 4 \\ 00 = 4 \\ 00 = 3 \\ 00 = 4$ 





$$\frac{\tan C}{\tan B} = \frac{1}{\tan A} + \frac{1}{\tan B} + \frac{1}{\tan C} = 0$$

45\_2021.

$$f\!f\!(-2019) + (-2018) + \cdots + f(2021) = 2020 \left(a^2 + b^2\right) + 1_{\square} a_{\square} b \in \mathbf{R}_{\square} \left| a - b + 2\sqrt{2} \right|_{\square \square \square \square \square}.$$

0000*11*00000

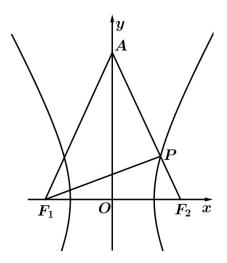
$$AD = \sqrt{2} \underset{\square}{\square} AC \perp BD \underset{\square}{\square} \square \square A - CD - O \underset{\square}{\square} \square \square \square \square \square .$$







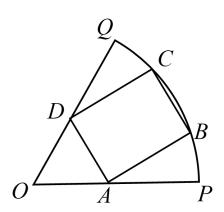
 $000 \, {}^{\cancel{y}} 00^{\text{A}} \, 00 \, {}^{\cancel{F_1}P \cdot \cancel{F_2}P} = 0 \, 00^{\triangle} \, {}^{\cancel{AF_1}P} \, 0000000 \, 000000 \, ... \, ... \, .$ 



 $N_{00000}$   $M_{N//}$   $M_{00000}$   $M_{00000}$  .

 ${}^{PQ}$ 





 $\square PM\square x \square \square \square \square \square H\square |OH| = \frac{2a}{3} \square \square |PF_1| = 3|PF_2| \square \square$ 

 $C:(X-2)^2+(Y-1)^2=4_{00}|PO||PO|_{00000}$ 





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